

BBBBBBBBBBBB		000000000		000000000		TTTTTTTTTTTT		SSSSSSSSSS
BBBBBBBBBBBB		000000000		000000000		TTTTTTTTTTTT		SSSSSSSSSS
BBBBBBBBBBBB		000000000		000000000		TTTTTTTTTTTT		SSSSSSSSSS
BBB	BBB	000	000	000	000	TTT	SSS	
BBB	BBB	000	000	000	000	TTT	SSS	
BBB	BBB	000	000	000	000	TTT	SSS	
BBB	BBB	000	000	000	000	TTT	SSS	
BBB	BBB	000	000	000	000	TTT	SSS	
BBB	BBB	000	000	000	000	TTT	SSS	
BBB	BBB	000	000	000	000	TTT	SSS	
BBBBBBBBBBBB		000	000	000	000	TTT	SSS	
BBBBBBBBBBBB		000	000	000	000	TTT	SSS	
BBBBBBBBBBBB		000	000	000	000	TTT	SSS	
BBB	BBB	000	000	000	000	TTT	SSS	
BBB	BBB	000	000	000	000	TTT	SSS	
BBB	BBB	000	000	000	000	TTT	SSS	
BBB	BBB	000	000	000	000	TTT	SSS	
BBB	BBB	000	000	000	000	TTT	SSS	
BBB	BBB	000	000	000	000	TTT	SSS	
BBBBBBBBBBBB		000000000		000000000		TTT	SSSSSSSSSS	
BBBBBBBBBBBB		000000000		000000000		TTT	SSSSSSSSSS	
BBBBBBBBBBBB		000000000		000000000		TTT	SSSSSSSSSS	

[illegible]

(2) 49
(3) 55

Declarations
FILSREAD_LBN - Reads 1 LBN of data from TU58 cartridge

```
0000 1      .TITLE T58BOOT10 - BOOT58 I/O Module
0000 2      .IDENT 'V04-000'
0000 3
0000 4
0000 5 *****
0000 6
0000 7      * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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0000 22      * DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS
0000 23      * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0000 24
0000 25 *****
0000 26
0000 27
0000 28 ++
0000 29
0000 30 FACILITY:
0000 31
0000 32      BOOT58, the supplementary TU58 bootstrap program
0000 33
0000 34 ABSTRACT:
0000 35
0000 36      This module calls the device-dependent ROM subroutine to read
0000 37      a block's worth of data from the TU58 into physical memory.
0000 38
0000 39 ENVIRONMENT:
0000 40
0000 41      Kernel mode, unmapped, IPL=31
0000 42
0000 43 AUTHOR:
0000 44
0000 45      Carol Peters      23 February 1979
0000 46
0000 47 --
```


T58BOOT10
V04-000

- BOOT58 I/O Module
Declarations

D 14

16-SEP-1984 00:15:51 VAX/VMS Macro V04-00
4-SEP-1984 23:07:30 [BOOTS.SRC]T58BOOT10.MAR;1

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(2)

0000 49
0000 50
00000000 51
0000 52
0000 53

.SBTTL Declarations

.PSECT \$\$\$\$00BOOT, LONG

.DEFAULT DISPLACEMENT, WORD

```
0000 55 .SBTTL FIL$READ_LBN - Reads 1 LBN of data from TU58 cartridge
0000 56
0000 57 :++
0000 58
0000 59 Functional description:
0000 60
0000 61 This routine reads the data from a specified LBN on the TU58
0000 62 cartridge into a page of physical memory. The device handling
0000 63 is a subroutine in the device ROM.
0000 64
0000 65 Inputs:
0000 66
0000 67 LBN(AP) - logical block number to read
0000 68 BUF(AP) - address of memory to receive data
0000 69
0000 70 Implicit inputs:
0000 71
0000 72 DRIVER_SUBROUT - contains the address of the ROM subroutine
0000 73
0000 74 Outputs:
0000 75
0000 76 R0 - status code
0000 77
0000 78 --
0000 79
0000 80
0000 81 Symbolic names for input arguments.
0000 82
0000 83
00000004 0000 84 LBN = 4
00000008 0000 85 BUF = 8
0000 86
0000 87 .ENTRY FIL$READ_LBN,-
0002 88 ^M<R3,R4,R5,R6,R7,R8,R9>
0002 89
0002 90 CLRL R3 ; Device must be unit 0.
58 04 AC D0 0004 91 MOVL LBN(AP),R8 ; Get starting LBN.
08 AC DD 0008 92 PUSHL BUF(AP) ; Get memory address for data.
50 0000 CF D0 000B 93 MOVL DRIVER_SUBROUT,R0 ; Get address of driver routine.
60 16 0010 94 JSB (R0) ; Call driver.
8E D5 0012 95 TSTL (SP)+ ; Pop memory address off stack.
04 0014 96 RET
0015 97
0015 98 .END
```

T58BOOTIO
Symbol table

- BOOT58 I/O Module

F 14

16-SEP-1984 00:15:51 VAX/VMS Macro V04-00
4-SEP-1984 23:07:30 [BOOTS.SRC]T58BOOTIO.MAR;1

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(3)

BUF = 00000008
DRIVER SUBROUT ***** X 01
FIL\$READ_LBN 00000000 RG 01
LBN = 00000004

! Psect synopsis !

PSECT name	Allocation	PSECT No.	Attributes
ABS	00000000 (0.)	00 (0.)	NOPI
\$\$\$00BOOT	00000015 (21.)	01 (1.)	NOPI

CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE
CON REL LCL NOSHR EXE RD WRT NOVEC LONG

! Performance indicators !

Phase	Page faults	CPU Time	Elapsed Time
Initialization	30	00:00:00.06	00:00:00.95
Command processing	132	00:00:00.77	00:00:02.63
Pass 1	71	00:00:00.35	00:00:01.14
Symbol table sort	0	00:00:00.00	00:00:00.01
Pass 2	37	00:00:00.23	00:00:00.67
Symbol table output	2	00:00:00.01	00:00:00.01
Psect synopsis output	1	00:00:00.01	00:00:00.01
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	275	00:00:01.44	00:00:05.42

The working set limit was 750 pages.
1020 bytes (2 pages) of virtual memory were used to buffer the intermediate code.
There were 10 pages of symbol table space allocated to hold 4 non-local and 0 local symbols.
98 source lines were read in Pass 1, producing 14 object records in Pass 2.
0 pages of virtual memory were used to define 0 macros.

! Macro library statistics !

Macro library name	Macros defined
_\$255\$DUA28:[BOOTS.OBJ]BOOTS.MLB;1	0
-\$255\$DUA28:[SYS.OBJ]LIB.MLB;1	0
-\$255\$DUA28:[SYSLIB]STARLET.MLB;2	0
TOTALS (all libraries)	0

0 GETS were required to define 0 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS\$:T58BOOTIO/OBJ=OBJ\$:T58BOOTIO MSRC\$:T58BOOTIO/UPDATE=(ENH\$:T58BOOTIO)+EXECML\$/LIB+LIB\$:BOOTS.MLB/LIB

0041 AH-BT13A-SE
VAX/VMS V4.0

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